## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization

International Bureau



## - | 1801 | 1/1800 | 1 2000 | 1801 | 2001 | 2001 | 1001 | 1 301 | 2011 | 2010 | 100 | 100 | 100 | 100 | 100 | 1

# (43) International Publication Date 22 January 2004 (22.01.2004)

#### **PCT**

# (10) International Publication Number WO 2004/008271 A3

(51) International Patent Classification7:

\_\_\_\_

H04J 3/14

(21) International Application Number:

PCT/US2003/021058

(22) International Filing Date:

3 July 2003 (03.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/395,042

11 July 2002 (11.07.2002) US

(71) Applicant (for all designated States except US): THOM-SON LICENSING S.A. [FR/FR]; 46, Quai A. Le Gallo, F-92648 Boulogne (FR).

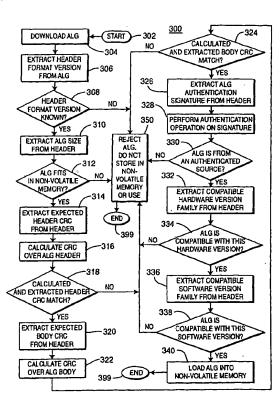
(72) Inventors; and

(75) Inventors/Applicants (for US only): GERVAIS, John, Alan [US/US]; 11388 Royal Court, Carmel, IN 46032 (US). MAYERNICK, Mark, Ryan [US/US]; 1140 Portland Place, Suite #306, Boulder, CO 80304 (US). BEARD, Rex, Irvin [US/US]; 10980 Jordan Road, Carmel, IN 46032 (US).

- (74) Agents: TRIPOLI, Joseph, S. et al.; c/o Thomson Licensing Inc., Two Independence Way, Suite #2, Princeton, NJ 08540 (US).
- (81) Designated States (national): AE, AG, AI, AM, AT, AI, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, IIR, IIU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GII, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

[Continued on next page]

#### (54) Title: APPLICATION LEVEL GATEWAY AND FIREWALL RULE SET DOWNLOAD VALIDATION



(57) Abstract: Method (300) and apparatus (100) for validating application level gateway (ALG) files or firewall rulsets (200). The method and apparatus include receiving (304), at a bi-directional communications device (130), an application level gateway (ALG) file (200), and comparing (308, 310, 314, 320, 326, 332, 336) at least one compatibility parameter of said ALG file with features of said bi-directional communications device. In an instance where all of the compatibility parameters compare favorably, the ALG file is stored (340) at the bi-directional communications device.

## WO 2004/008271 A3



ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

## (88) Date of publication of the international search report:

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.